

ARCS PROCEDURE:	READING A FILE FROM THE ZENO DATA LOGGER	PRO(DAQ)-003.000
Author: J. Zirzow		June 30, 1999 Page 1 of 4

Reading a File from the Zeno Data Logger

I. Purpose:

This procedure explains how to get logger configuration /data files to and from MACS.

II. Cautions and Hazards:

None.

III. Requirements:

None.

IV. Procedure:

A. Steps:

1.

Command	Comment
Press F10	Get out of the MACS software
cd d:\mirror	Go to the mirror directory
mirror	Start the mirror program When files are read or written from the logger the files are stored in d:\mirror unless another complete path is specified (ie d:\mirror\loggers).
Select option 23 for Zeno logger	You will enter the term program for the Zeno logger. You will see a blinking cursor on the upper left hand corner. You can type 'mirror zeno' instead of the two previous commands. You will automatically enter the zeno logger term program.
Hit both shift keys at the same time	Temporarily suspend the emulator software to command the switch box to point to the desired logger. You will be back at the d:\mirror prompt after you hit both shift keys.

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switch 0 x where x is
0 for SMET
1 for SKYRAD
2 for GNDRAD

The 0 means latch the MACS computer
ex: switch 0 0
switch 0 1
switch 0 2

Press enter 2 times

The MACS control light should go on after the second enter. You will be back at the c:\mirror prompt.
You will see 5 lines of text. The next to the last line should read 'Comm port open and ready.'
The MACS control light being on means MACS is in control of the switch box instead of ADaM (ie ADaM can't receive any data from the loggers).

Hit both shift keys at the same time

Return to the mirror program with the blinking cursor in the upper left hand corner.

Command	Comment
Press 'u' for the user menu	This will bring up the Zeno logger User menu.

Press 'z' for the Zeno Program Menu

password = zeno

Enter the password. If entered correctly you will see the Zeno Program Menu.

Press 'l' for System Load Menu

You will see the option to Receive or Transmit. These are in relationship to the logger. R is from MACS to the logger (upload to logger) T is from the Logger to MACS (download from logger)
You will need to place an 'x' in front of the 't' or 'r' for Xmodem transfer

Type 'xt'

You have the logger ready to transfer data. Now you need to setup the mirror program to receive the data.

Press 'esc'

You now have the 'Command?' prompt in the lower left hand corner of the screen.

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You are now ready to prepare the mirror program to receive the configuration file.

Here is a review of some mirror commands:

`rx filename' for xmodem download or receive file
`xx filename' for xmodem upload or transfer file
`ca filename' for ASCII capture
`ca - ` to stop capture
F1 - Help Feature

Command	Comment
rx xxxymmdd.cfg	Where xxx = logger y = year mm = month dd = day ex: GND71209.cfg GND71209.cfg will be saved to d:\mirror, unless you specify the entire path name. For example: rx d:\mirror\loggers\GND71209.cfg You will see a status box saying the file is being received. The box will disappear when the transfer is done.
Press enter	You will see the System Load Menu.
Type 'z' for Zeno Program Menu	You will see the Zeno Program Menu appear.
Type 'q' for quit Interface.'	You will see the last line as 'Exiting user You have now exited the Zeno logger software
Press 'esc'	You will get the 'Command?' prompt
Type 'qu'	You will quit the mirror program and return to DOS.
switch 1 0	This will latch the switch box back to ADaM.

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Press enter 2 times

You will return to d:\mirror prompt.
You will see 5 lines with the second to the last line being 'Comm port open and ready'.
MOST important, you will see the MACS control light GO OFF. If the MACS control light is ON, then MACS is in control of the switch box and no data will flow to ADaM from the loggers.

move GND71209.cfg loggers

Move the configuration file into the loggers directory as backup. You can skip this task if you fully specified the the path name during the 'rx' command.

Press the 'RESET'
button on MACS

This will reboot MACS and it should resume normal operation.

V. References:

None.

VI. Attachments:

None.